

Appln. No. 09/831,694
Reply to Office Action of November 2, 2005

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IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) An image processing device comprising:
image-processing means for performing image processing on an image signal inputted from outside ~~and thus~~ thereby generating image data;
control information generation means for generating print control information including information indicating the number of print images on one page of a print sheet; and
output means for including the image data generated by the image processing means and the print control information generated by the control information generation means into a packet conformable to the IEEE (the Institute of Electrical and Electronics Engineers) 1394 standard and outputting the packet to a printing device; and
~~the control information generation means generating print control information including information, which includes a blank image in the image to be printed on the print sheet in a position of associated block information that is not present in a desired result.~~
~~generating means for generating a blank image in the image to be printed on the print sheet in a position of the image data not present when the print control information is generated and image data associated with the print control information is not present.~~

2. (Currently Amended) An image processing method comprising the steps of:

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performing image processing on an image signal inputted from outside and thus generating image data;

generating print control information including information indicating the number of print images on one page of a print sheet; ~~and information indicating inclusion of a blank area in the image to be printed on the print sheet in a position of associated block information that is not present in a desired result;~~ and

including the generated image data and the print control information into a packet conformable to the IEEE 1394 standard and outputting the packet to a printing device; and

generating a blank image in the image to be printed on the print sheet in a position of the image data not present and image data associated with the print control information is not present.

3. (Previously Presented) An image processing method comprising the steps of:

performing image processing on an image signal inputted from outside and thus generating image data;

generating a command instructing start of a print job with respect to the generated image data, a command including information indicating the number of print images on one page of a print sheet, and a capture command including print control information with respect to the generated image data;

including the generated image data and the respective commands into a packet conformable to the IEEE 1394 standard and outputting the packet to a printing device; and

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wherein in the case where a blank image is included in an image area to be printed on the print sheet, setting a quantity of image data and a number of pixels in an X-direction and a Y-direction at zero as print control information with respect to the blank image and setting the capture command at a value indicating that the image type of the image data is not considered.

4. (Currently Amended) A printing device comprising:

input means to which image data included in a packet conformable to the IEEE 1394 standard and print control information including information indicating the number of print images on one page of a print sheet and information indicating inclusion of a blank image in the image to be printed on the print sheet are inputted; and

printing means for printing an image represented by the image data inputted to the input means in accordance with the print control information;

wherein, when the print control information is inputted and image data associated with the print control information is not present, a blank image in the image to be printed on the print sheet is generated in a position of the image data not present.

~~the printing means setting an image area to be printed on the print sheet as a blank area in the case where the print control information including information indicating inclusion of a blank image is inputted in a position of associated block information that is not present in a desired result.~~

5. (Currently Amended) A printing method comprising the steps of:

receiving input of image data included in a packet conformable to the IEEE 1394 standard and print control information including information indicating the number of print

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images on one page of a print sheet and information indicating inclusion of a blank image in the image to be printed on the print sheet in a position of associated block information that is not present in a desired result;

printing an image represented by the inputted image data in accordance with the print control information; and

generating a blank image in the image to be printed on the print sheet in a position of the image data not present when the print control information is received and image data associated with the print control information is not present.

~~setting an image area to be printed on the print sheet as a blank area in the case where the print control information including information indicating inclusion of a blank image in the image to be printed on the print sheet is inputted.~~

6. (Previously Presented) A printing method comprising the steps of:

performing image processing on an image signal inputted from outside and thus generating image data;

receiving input of the image data included in a packet conformable to the IEEE 1394 standard, a command instructing start of a print job with respect to the image data, a command including information indicating the number of print images on one page of a print sheet, and a capture command including print control information with respect to the generated image data; and

setting an image area to be printed on the print sheet as a blank area in the case where the capture command is inputted which sets a quantity of image data and a number of

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pixels in an X-direction and a Y-direction at zero as print control information and which is set at a value indicating that the image type of the image data is not considered.

7. (Currently Amended) An image printing system comprising:
a print processing device including image processing means for performing image processing on an image signal inputted from outside and thus generating image data,
control information generation means for generating print control information including information indicating the number of print images on one page of a print sheet, and
output means for including the image data generated by the image processing means and the print control information generated by the control information generation means into a packet conformable to the IEEE 1394 standard and outputting the packet,
~~the control information generation means generating print control information including information which includes a blank image in the image to be printed on the print sheet in a position of associated block information that is not present in a desired result; and~~
wherein, when the print control information is generated and image data associated with the print control information is not present, a blank image in the image to be printed on the print sheet is generated in a position of the image data not present;
a printing device including input means to which image data included in a packet conformable to the IEEE 1394 standard and print control information including information indicating the number of print images on one page of a print sheet and information indicating inclusion of a blank image in the image to be printed on the print sheet are inputted, and
printing means for printing an image represented by the image data inputted to the input means in accordance with the print control information,

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the printing means setting an image area to be printed on the print sheet as a blank area in the case where the print control information including information indicating inclusion of a blank image is inputted.

8. (Currently Amended) An image printing method comprising the steps of: performing image processing on an image signal inputted from outside and thus generating image data;

generating print control information including information indicating the number of print images on one page of a print sheet and information indicating inclusion of a blank image in the image to be printed on the print sheet in a position of associated block information that is not present in a desired result;

including the generated image data and the print control information into a packet conformable to the IEEE 1394 standard and outputting the packet to a printing device;

receiving the image data included in a packet conformable to the IEEE 1394 standard and the print control information including information indicating the number of print images on one page of a print sheet, and information indicating inclusion of a blank image in the image to be printed on the print sheet;

generating a blank image in the image to be printed on the print sheet in a position of the image data not present and image data associated with the print control information is not present;

printing an image represented by the received image data in accordance with the print control information; and

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setting an image area to be printed on the print sheet as a blank area in the case where the print control information including information indicating inclusion of a blank image in the image to be printed on the print sheet is inputted.

9. (Currently Amended) A recording medium having an image processing program stored therein, the image processing program comprising the steps of:

performing image processing on an image signal inputted from outside and thus generating image data;

generating print control information including information indicating the number of print images on one page of a print sheet,

~~and information indicating inclusion of a blank image in the image to be printed on the print sheet in a position of associated block information that is not present in a desired result~~

generating a blank image in the image to be printed on the print sheet in a position of the image data not present when the print control information is generated and image data associated with the print control information is not present; and

including the generated image data and the print control information into a packet conformable to the IEEE 1394 standard and outputting the packet to a printing device.

10. (Currently Amended) A recording medium having a printing program stored therein, the printing program comprising the steps of:

receiving input of image data included in a packet conformable to the IEEE 1394 standard and print control information including information indicating the number of print

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images on one page of a print sheet, and information indicating inclusion of a blank image in the image to be printed on the print sheet in a position of associated block information that is not present in a desired result

generating a blank image in the image to be printed on the print sheet is generated in a position of the image data not present when the print control information is received and image data associated with the print control information is not present;

printing an image represented by the inputted image data in accordance with the print control information; and

setting an image area to be printed on the print sheet as a blank area in the case where the print control information including information indicating inclusion of a blank image in the image to be printed on the print sheet is inputted.